

Date: Tuesday, 12/5/2006 8:16:30 AM
 User: Kim Johnston

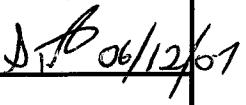
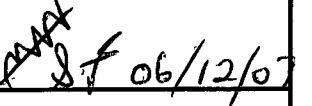
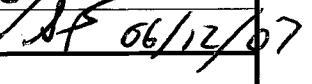
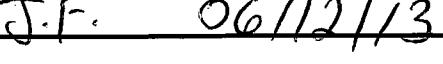
Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services		Drawing Name	: STEM	
Job Number	: 29791A				
Estimate Number	: 10394				
P.O. Number	: N/A		Part Number	: D29681	
This Issue	: 12/5/2006 S.O. No. : N/A		Drawing Number	: D2968	
Prsht Rev.	: NC		Project Number	: N/A	
First Issue	: N/A		Drawing Revision	: B1	
Previous Run	: 28697		Material	: N/A	
Written By	: <u>W</u>		Due Date	: 12/23/2006	
Checked & Approved By	: <u>JF</u> 06 12 05		Qty:	100	Um: Each
Comment	: Est:C 03.04.11 Reformat; Incorporated D2968-1/-5 KJ/RF				

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
1.0	M4130NR0750	4130 steel rod .750" 
		Comment: Qty.: 0.4550 f(s)/Unit Total : 27.2979 f(s) Material: AISI 4130 Ø 3/4 " Bar (M4130N-R0.750) Batch: <u>M100559</u> Identify AS D2968-1 <u>M102443</u> 
2.0	HARDINGE	HARDINGE CNC LATHE SMALL 
		Comment: HARDINGE CNC LATHE SMALL 1-Turn Blank as per Folio FA047 and Dwg D2968 2-Deburr, no sharp edges 
3.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE 
		Comment: INSPECT PARTS AS THEY COME OFF MACHINE 
4.0	HAAS1	HAAS CNC VERTICAL MACHINING #1 
		Comment: HAAS CNC VERTICAL MACHINING #1 1- Machine as per Folio FA047 and Dwg D2968 2- Deburr 
5.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE 
		Comment: INSPECT PARTS AS THEY COME OFF MACHINE 

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: Date: 06/12/14
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Tuesday, 12/5/2006 8:16:30 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: STEM

Job Number: 29791A

Part Number: D29681

Job Number:



Seq. #: Machine Or Operation:

Description :

6.0 QC8

SECOND CHECK



Comment: SECOND CHECK

SD 06.12.13

7.0 PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: ST 396

LB 06/12/14 06

8.0 QC21

FINAL INSPECTION/W/O RELEASE



(48)

Comment: FINAL INSPECTION/W/O RELEASE

LB 06/12/14

Job Completion



LB 06.12.14

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

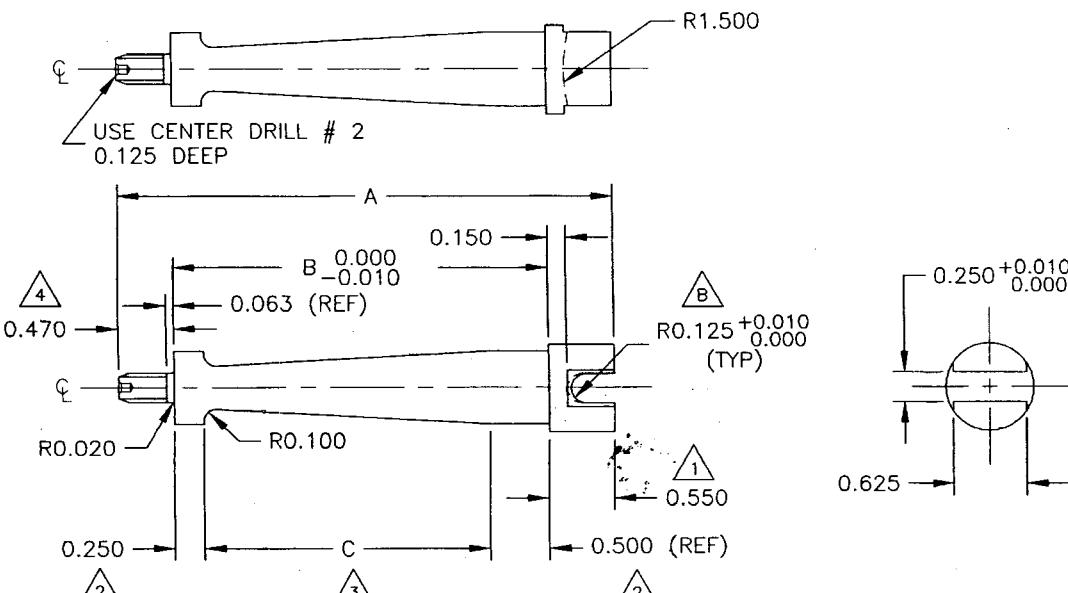
DART AEROSPACE LTD	Work Order:	29791A
Description: Stem	Part Number:	D2968-1
Inspection Dwg: D2968 Rev: B1		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Measured by:	<u>J.F/J.G/J.S.</u>	Audited by:	<u>SA</u>	Prototype Approval:	N/A
Date:	<u>06/12/06</u>	Date:	<u>06.12.06</u>	Date:	N/A

Rev	Date	Change	Revised by	Approved
A	04.02.25	New Issue P/O D2968-041	KJ/RF	
B	05.05.26	Dimensions added	KJ/JLM	<i>[Signature]</i>



PART NUMBER	A	B	C
D2968-1	5.040	4.020	3.270
D2968-3	4.200	3.180	2.430

D2968-1/-3 STEM

D2968-1 AND D2968-3 STEM:

MATERIAL: AISI 4130

MATERIAL: AISI

2 00.625 0 D

3 MACHINE UNIFORM TAPER FROM $\phi 0.363$ O.D.
TO $\phi 0.625$ O.D.

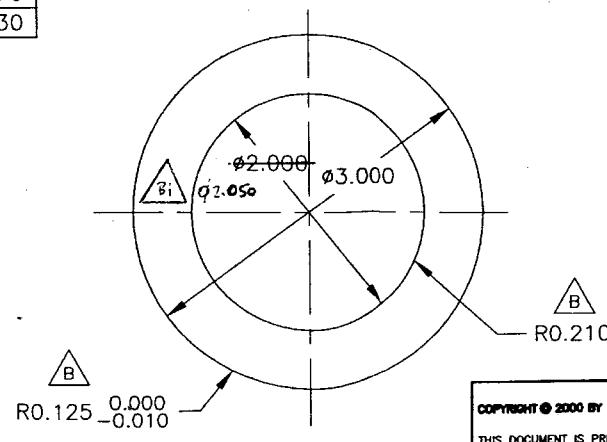
△ 1/4-28 UNF THREAD WITH 0.063 GRIP
MACHINE ALL INSIDE EDGES WITH A 0.010 RADIUS
UNLESS OTHERWISE INDICATED
TOLERANCES ARE PER DART QSI 018 UNLESS
OTHERWISE NOTED

D2968-5 RING

MATERIAL AISI 4130

MATERIAL AISI 413
TOLERANCES ARE
OTHERWISE NOTED

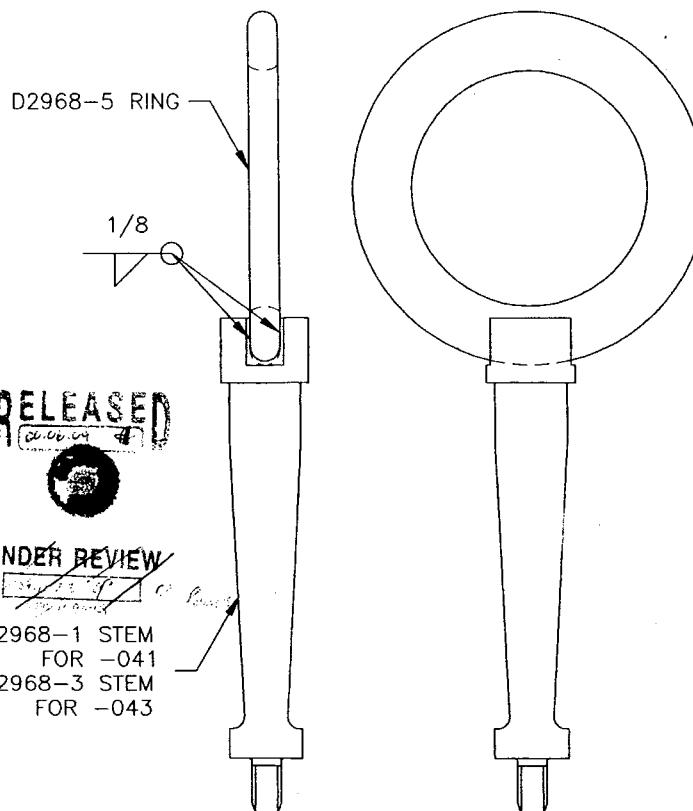
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
PART NO. 29791A



D2968-5 RING

www.oxford-oxford.com/oxford-oxford-100

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL
AND IS SUPPLIED ON THE EXPRESS CONDITION
THAT IT IS NOT TO BE USED FOR ANY PURPOSE
OR COPIED OR COMMUNICATED TO ANY OTHER
PERSON WITHOUT WRITTEN PERMISSION FROM



D2968-041 AND D2968-043 TOW RING

WELD PER QSI 004 ON ALL EDGES BETWEEN STEM AND RING
HEAT TREAT TO MIN ULTIMATE TENSILE STRENGTH OF 125 KSI
FINISH: CAD PLATE ENTIRE ASSEMBLY PER

QQ-P-416F CLASS I TYPE II
POWDER COAT WHITE (REF 4.3.5.2) PER DART
QSI 005 4.3 (EXCEPT THREADS)

TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

B	00.05.31	R0.125 AND R0.210 WERE 0.060 x 45°		
A	00.03.07	NEW ISSUE		
DESIGN	DRAWN BY	DART	DART AEROSPACE LTD. HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO.	REV. E	
		D2968	SHEET 1 OF 1	
DATE		TITLE	SCALE	
00.05.31		TOW RING	1:1	